

Title (en)

Fuel injection valve with throttle orifice plate

Title (de)

Brennstoffeinspritzventil mit drosselnder Lochplatte

Title (fr)

Injecteur de carburant avec plaque à orifices d'étranglement

Publication

EP 1296055 B1 20060111 (EN)

Application

EP 02020960 A 20020919

Priority

- JP 2001286934 A 20010920
- JP 2001367031 A 20011130

Abstract (en)

[origin: EP1296055A2] In a fuel injection valve having a pressure control chamber (11), a nozzle (50), and an electromagnetic valve (5), a fuel flow-in passage, a fuel flow-out passage and at least a part of the pressure control chamber are formed in a single piece of a plate (4) in such a manner that the part of the pressure control chamber is opened to an axial end surface of the plate and the fuel flow-out passage extends so as to penetrate the plate axially from an inner wall of the part of the pressure control chamber to another axial end surface of the plate and the fuel flow-in passage comprises a first passage (19) extending from the axial end surface of the plate and a second passage (17) extending from the inner wall of the part of the pressure control chamber, which intersect with each other within the plate, wherein an entrance orifice (18) is formed in first passage.
<IMAGE> <IMAGE>

IPC 8 full level

F02M 47/02 (2006.01)

CPC (source: EP US)

F02M 47/027 (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 2200/28** (2013.01 - EP US)

Cited by

CN102400823A; CN106662056A; US10240566B2; US10047709B2; WO2015078629A1; WO2016020469A1; WO2016005180A1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 1296055 A2 20030326; **EP 1296055 A3 20041201**; **EP 1296055 B1 20060111**; CN 1208548 C 20050629; CN 1405446 A 20030326; DE 60208615 D1 20060406; DE 60208615 T2 20060914; US 2003052202 A1 20030320; US 6698666 B2 20040302

DOCDB simple family (application)

EP 02020960 A 20020919; CN 02142470 A 20020920; DE 60208615 T 20020919; US 24663802 A 20020919